

**TOPICS IN SCIENCE
SYLLABUS
FALL, 2010**

Topics in Science is a once-a-month science workshop with lab. Each lab is designed to focus on one, individualized standards-based science topic of interest. It is being taught in accord with both the California and National Science Standards with particular emphasis on the standards related to investigation and experimentation.

The workshop is open to all, but is particularly designed for junior and high school students. Students will be expected to complete a workshop/lab report for each workshop attended. Science topics will be selected from Life Science, Earth Science, and Genetics/Biotechnology.

INSTRUCTOR: Jalyne Redman
LOCATION: Canyon Oak, San Andreas site
TIME: 2pm to 3:30pm
MATERIALS NEEDED: pencil; science notebook or lab notebook

FALL MEETING DATES: Monday, September 13th
Monday, October 11th
Monday, November 1st
Monday, December 6th

Each workshop will involve an introduction of the topic, presentation of science information and a hands-on lab or activity. The Standards-based approach will cover aspects of Standards for Investigation and Experimentation, including:

- **Scientific tools and technology;**
- **Scientific testing, data collection and analysis;**
- **Scientific procedures, experiments and experimental error**
- **Variables**
- **Scientific problem solving**
- **Scientific method; hypotheses and theories**
- **Scientific record-keeping**

The monthly topic and more information will be posted on the Mountain Oaks web site at www.mountainoaks.org, in the Huckleberry Room and outside the instructor's office, Room C12.